(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 14 October 2004 (14.10.2004)

(10) International Publication Number WO 2004/088452 A3

(51) International Patent Classification7: 17/60, 15/00

G06F 15/16,

(21) International Application Number:

PCT/US2004/008681

- (22) International Filing Date: 18 March 2004 (18.03.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/457,277

25 March 2003 (25.03.2003) US

- (71) Applicant (for all designated States except US): UNISYS CORPORATION [US/US]; Unisys Way, MS/E8-114, Blue Bell, PA 19424-0001 (US).
- (72) Inventor (for US only): NEGRO, Massimiliano; Via Spadara, I-36 80075 Forio (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): POLITI, Andrea [IT/IT]; Via Circonvallazione 75/B, I-20090 Trezzano sul Navigilio (IT).
- (74) Agents: STARR, Mark, T. et al.; Unisys Corporation, Unisys Way, MS/E8-114, Blue Bell, PA 19424-0001 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 27 January 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PUBLISHING SYSTEM INCLUDING FRONT-END CLIENT LINKS TO WORKFLOW ENGINE AND COMMU-NICATION PROTOCOL SCHEMA

(57) Abstract: A middleware system is provided for use in combination with a publishing system. The publishing system will include a repository and server facilitating editorial services with respect to digital items. These items may be produced by a plurality of front-end clients, and the middleware system includes a software-based mechanism to create an envelope (e.g., a SOAP/XML envelope) associated with each item and to thereby provide an object corresponding to each item. Each object is thereby made accessible to the front-end clients within the publishing system.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/08681	

J. TOCATA	ASSIFICATION OF SUBJECT MATTER				
IPC(7) : G06F 15/16, 17/60, 15/00 US CL : 715/513, 514, 709/203, 705/1, 27					
According	: 715/513, 514; 709/203; 705/1, 37				
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SPARCHED					
Usualiciado					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 715/513, 514: 709/203: 705/1, 27					
U.S.: 715/513, 514; 709/203; 705/1, 37					
	·				
Documentat	ion constant at		· .		
Documental	ion searched other than minimum documentation to t	he extent that such	documents are included i	in the fields seems at	
			are morning	in the fields searched	
Electronic d	ata base compiled during the				
2.00tionic d	ata base consulted during the international search (na	me of data base an	d, where practicable, sea	rch terms used)	
•			r	con cernis usea)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with indication, where appropriate, of the relevant passages Y US 2002/0026461 A1 CEUTAY each 268 B is					
Y	US 2002/0026461 A1 COVERNATION, Where	appropriate, of the	e relevant passages	Relevant to claim No.	
-	US 2002/0026461 A1 (KUTAY et al) 28 February 2002 (28.02.2002), whole document 1-34				
Y, E					
-,-	whole document	US 2004/0221001 A1 (ANAGOL-SUBBARRAO et al) 04 November 2004 (04.11.2004), 1-34			
Y, E					
-,-	US 2004/0148576 A1 (MATVEYENKO et al) 29 July 2004 (29.07.2004), whole document			1-34	
			1		
			1		
			i		
			i i		
			i		
i			İ		
			1		
			ţ.		
I			Į.		
1			ı		
Further	doguerosto en 11 1 l				
	documents are listed in the continuation of Box C.	See pa	tent family annex.		
Sp	ecial categories of cited documents:		=		
"A" document defining the general state of the art which is not considered to be		date an	current published after the interred not in conflict with the application of the conflict with the conflict with the application of the conflict with the conflict	tion but alread as send	
of particula	ar relevance	principl	e or theory underlying the inven	tion	
E" earlier ann	Hendon on the second of the se				
- carner app	lication or patent published on or after the international filing date	conside	nt of particular relevance; the ele red novel or cannot be considere	aimed invention cannot be	
L" document v	which may throw doubts on priority claim(s) or which is cited to	when th	e document is taken alone	o to myorve an inventive step	
establish the publication date of another citation or other special reason (as specified)		"Y" docume	nt of particular selevens and a		
		COMPUTE	nt of particular relevance; the cli red to involve an inventive step v	uhan the desument !	
O" document r	eferring to an oral disclosure, use, exhibition or other means	COMMUNIC	zu Willi Olië Of More other mich d	Commone and 1	
		being of	ovious to a person skilled in the	uri	
priority date	sublished prior to the international filing date but later than the	"&" docume	nt member of the same patent far	mile	
			pacin in	······	
ate of the act	ual completion of the international search	Date of mailing of	of the international search	renowt	
November 2	2004 (05.11.2004)	01 DEC		roborr	
5 November 2004 (05.11.2004) lame and mailing address of the ISA/US				1	
Mail Stop PCT, Attn: ISA/US		Authorized office			
Commissioner for Patents Feild Joseph					
P.O. 1	Box 1450	Feild Joseph			
Alexa	ndria, Virginia 22313-1450	Telephone No. (871) 272-4090	}	
acsimile No. (703) 305-3230					
m PCT/ISA/210 (second sheet) (January 2004)					
	, \J #UUTJ	//			